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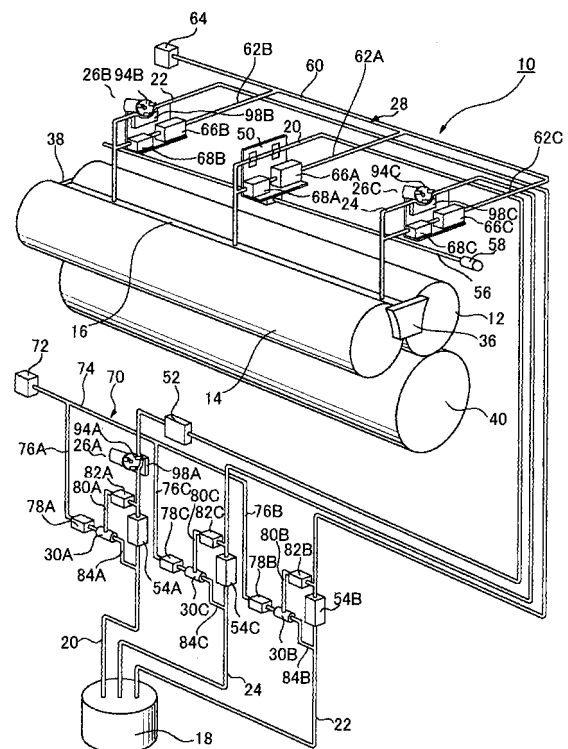
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(54) **Apparatus for removing and/or recovering ink, printing machine including such apparatus, and method for supplying and/or recovering ink**

(57) A printing machine in which excessive ink remaining in ink delivery tubings (20, 22, 24) each connecting an ink reservoir (16) to an ink supply source (18) can be quickly removed or rinsed out is provided.

The printing machine according to the present invention includes the ink reservoir (16), the ink supply source (18), and one or more of the ink supply tubing (20) and ink recovery tubings (22, 24) each connecting said ink reservoir (16) to said ink supply source (18), whereby the ink supplied from said ink supply source (18) via at least one of said ink delivery tubings to said ink reservoir (16) and accumulated therein is used for printing, and wherein the printing machine further comprises one or more ink removing means for removing said ink remaining in said ink supply tubing (20) and ink recovery tubings (22, 24), each of said one or more ink removing means including respective air supply means (26A, 26B, 26C) which supply a fast enough flow rate and/or large enough flow volume of air into said ink supply tubing (20) and ink recovery tubings (22, 24) such that the air flows toward said ink supply source from said ink reservoir in order to remove said ink remaining on the inner surface of said ink supply tubing (20) and ink recovery tubings (22, 24).

FIG. 1





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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 1 December 2005	Examiner Koch, J-M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	



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**ANNEX TO THE EUROPEAN SEARCH REPORT
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